

# Horizontal Openwell Submersible Pumpsets

Lubi Horizontal Openwell Submersible Pumpsets are manufactured under strict quality assurance for years of efficient and reliable operation. Following are some of the special features.

## SALIENT FEATURES

- Pumpset are designed to withstand voltage drops to 320 volts.
- It has well designed sleeve and thrust bearing of adequate capacity for longer life.
- High operating efficiencies of pumpset result into high water discharge rate and lower power bills.
- All components are precisely machined on modern precision machine tools to give you years of reliable operation.
- Stator and rotor of the monoset are vacuum impregnated with synthetic varnish and epoxy coated for corrosion resistance.
- All rotating components are dynamically balanced to ensure long bearing life and vibration free smooth operation.
- All pumpsets are fully tested prior to despatch.

## CONSTRUCTION

<b>Motor Body</b>	: Cast Iron / Stainless Steel
<b>Stator</b>	: Vacuum Impregnated and epoxy coated for corrosion resistance. Thick end laminations are provided to protect motor windings.
<b>Rotor</b>	: Vacuum impregnated, shot blasted & coated with poly urethane colour for corrosion resistance & dynamically balanced for vibration free smooth operation.
<b>Winding</b>	: PVC / Polyester insulated, water cooled.
<b>Journal Bearings</b>	: Leaded Bronze and Stainless Steel, Water Lubricated, having high load bearing capacity.
<b>Thrust Bearings</b>	: Carbon Vs Stainless Steel and water lubricated to withstand high axial thrust loads.
<b>Pressure Equalizing Diaphragm</b>	: Adequately sized to accommodate expansion of water inside th motor and prevent loss cooling water
<b>Impeller</b>	: Graded Cast Iron & Dynamically balanced.
<b>Casing</b>	: High grade Cast Iron.
<b>Wear Rings</b>	: High quality abrasion resistance Bronze.
<b>Shaft</b>	: Stainless Steel of adequate diameter to ensure rigidity and ground to close tolerances.
<b>Cable Sealing Arrangement</b>	: Designed so that no borewell water with sand can enter the motor.

## APPLICATION

- Irrigation from open wells especially where there is wide fluctuation in water levels.
- Community water supply from open wells.
- Fountains.
- Canals / Rivers belt irrigation.
- Water supply for high-rise building.

## LHS Series

### Cast Iron Body, 50Hz, 415V (-15% & +6%) Three Phase, 2880 RPM

Pump Type	H.P.	Size in mm	Head in Metres															
			6	8	12	16	20	24	26	28	32	36	40	42	44	48	52	58
			Discharge in L.P.M.															
LHS-1A	3.00	50 x 38				370	350	<b>310</b>	<b>280</b>	<b>260</b>	<b>210</b>	120						
LHS-2	3.00	65 x 65		750	<b>700</b>	<b>510</b>	360											
LHS-2AH	3.00	65 x 50				580	<b>540</b>	<b>480</b>	<b>440</b>	200								
LHS-3A	3.00	80 x 65	860	<b>840</b>	<b>780</b>	570												
LHS-4A	5.00	50 x 38								480	<b>430</b>	<b>340</b>	<b>250</b>	<b>200</b>	140			
LHS-5A	5.00	65 x 50						<b>590</b>	<b>570</b>	<b>550</b>	<b>500</b>	280						
LHS-5B	5.00	65 x 50									<b>470</b>	<b>400</b>	<b>320</b>	280	230			
LHS-5AH	5.00	65 x 50						670	<b>630</b>	<b>580</b>	<b>470</b>	<b>200</b>						
LHS-5	5.00	65 x 65			<b>1040</b>	<b>900</b>	<b>750</b>	540										
LHS-5H	5.00	65 x 65					750	<b>670</b>	<b>540</b>	<b>450</b>	240							
LHS-6	5.00	80 x 80		890	<b>870</b>	<b>850</b>	760											
LHS-6A	5.00	80 x 65			<b>1160</b>	<b>1100</b>	<b>800</b>	350										
LHS-16	5.00	100 x 100	<b>1520</b>	<b>1430</b>	<b>1240</b>	850												
LHS-9A	7.50	65 x 50							<b>840</b>	<b>810</b>	<b>720</b>	<b>630</b>	510	420	310			
LHS-9B	7.50	65 x 50										520	<b>490</b>	<b>480</b>	<b>460</b>	<b>410</b>	340	240
LHS-9AH	7.50	65 x 50							890	<b>830</b>	<b>720</b>	<b>600</b>	<b>520</b>	460				
LHS-9	7.50	65 x 65							<b>730</b>	<b>720</b>	<b>700</b>	540						
LHS-10 *	7.50	80 x 80						1040	<b>970</b>	<b>820</b>								
LHS-17	7.50	100 x 100		2000	<b>1850</b>	<b>1600</b>	1120											
LHS-19	7.50	125 x 125	<b>3500</b>	<b>2900</b>														
LHS-13AH	10.0	65 x 50								1260	1200	<b>1080</b>	<b>1020</b>	<b>960</b>	<b>900</b>	<b>750</b>	570	
LHS-14 *	10.0	80 x 80					1120	1100	<b>1080</b>	<b>1050</b>	<b>1000</b>	720						
LHS-15 *	10.0	100 x 100					1420	<b>1300</b>	<b>1200</b>	1100								
LHS-18	10.0	100 x 100		2250	<b>2100</b>	<b>1850</b>	1200											
LHS-20	10.0	125 x 125	3500	<b>3300</b>	<b>2800</b>	1250												

**Note :**

- LHS : C. I. Construction with copper rotor.
- All pumps with \* are ISI marked.
- Please select pumps in the range of discharge shown in bold figure.

## LHS Series

### Cast Iron Body, 50Hz, 415V (-15% & +6%) Three Phase, 2880 RPM

Pump Type	H.P.	Size in mm	Head in Metres																
			10	14	18	22	26	30	34	38	42	46	50	54	58	62	66	68	72
			Discharge in L.P.M.																
LHS-21A	12.50	65 x 65				970	960	<b>940</b>	<b>920</b>	<b>860</b>	<b>750</b>	600	420	330					
LHS-21L	12.50	50 x 50					1410	1390	<b>1370</b>	<b>1310</b>	<b>1160</b>	950	670						
LHS-21H	12.50	50 x 50									810	790	<b>740</b>	<b>700</b>	<b>650</b>	<b>590</b>	<b>500</b>	440	300
LHS-23	12.50	80 x 80			1660	1600	<b>1550</b>	<b>1450</b>	<b>1180</b>	800									
LHS-24	12.50	100 x 80		1810	1750	<b>1680</b>	<b>1570</b>	<b>1430</b>	1250										
LHS-25	12.50	100 x 100		1860	1790	<b>1700</b>	<b>1600</b>	<b>1370</b>	<b>1200</b>	800									
LHS-27L	15.00	50 x 50							1480	1420	<b>1370</b>	<b>1260</b>	<b>1170</b>	<b>1000</b>	780				
LHS-27H	15.00	50 x 50									920	915	<b>910</b>	<b>900</b>	<b>890</b>	<b>870</b>	840	520	
LHS-28	15.00	65 x 65								980	<b>850</b>	<b>710</b>	<b>460</b>	380					
LHS-30	15.00	100 x 80					1550	<b>1450</b>	<b>1200</b>	760									
LHS-31	15.00	100 x 100			2200	2000	<b>1800</b>	<b>1500</b>	<b>1280</b>	960									
LHS-32	15.00	125 x 125	3550	<b>3050</b>	<b>2000</b>														
LHS-33	20.00	65 x 65										1300	1200	<b>1100</b>	<b>1000</b>	<b>880</b>	<b>750</b>	670	
LHS-34	20.00	80 x 80								1730	1600	<b>1460</b>	<b>1300</b>	<b>1100</b>					
LHS-34A	20.00	80 x 65										1840	1700	<b>1600</b>	<b>1480</b>	<b>1280</b>	<b>1080</b>	<b>620</b>	
LHS-35	20.00	100 x 100				2480	2400	<b>2300</b>	<b>1860</b>	<b>1650</b>	1000								
LHS-36	20.00	125 x 125		3550	<b>3200</b>	<b>2700</b>	<b>2100</b>	900											
LHS-37	25.00	80 x 80									1680	1550	<b>1400</b>	<b>1220</b>	<b>1100</b>	950			
LHS-38	25.00	100 x 100						2050	<b>1900</b>	<b>1750</b>	<b>1400</b>	<b>1080</b>	500						
LHS-39	25.00	125 x 125			3870	<b>3530</b>	<b>3080</b>	<b>2650</b>											
LHS-40	30.00	80 x 80													1700	<b>1620</b>	<b>1450</b>	<b>1350</b>	1150
LHS-41	30.00	100 x 100							2750	<b>2400</b>	<b>2200</b>	<b>2050</b>	<b>1660</b>	1500					
LHS-42	30.00	125 x 125					3200	<b>3050</b>	<b>2400</b>										
LHS-43	30.00	150 x 150		5180	<b>4550</b>	<b>4030</b>	<b>3140</b>	<b>2500</b>	2380										

**Note :**

■ Please select pumps in the range of discharge shown in bold figure.

## LHS Series

Cast Iron Body 50 Hz, 230 V (-10% & +10%) Single Phase, 415 V (-15% & +6%) Three Phase, 2880 RPM

Model		H.P.	Size in mm	Head in Metres											
1-Phase	3-Phase			6	8	10	12	14	16	18	20	22	24	26	28
Discharge in L.P.M.															
LHS-150B *	-	0.50	25 x 25	<b>210</b>	180	130	110	90							
LHS-150BH	-	0.50	25 x 25		172	170	160	140	<b>130</b>						
LHS-151	LHS-51	1.00	25 x 25					290	<b>240</b>	<b>230</b>	<b>180</b>	<b>120</b>			
LHS-152	LHS-52	1.00	40 x 40			290	<b>270</b>	<b>250</b>	<b>180</b>	120					
-	LHS-53	1.00	50 x 40		<b>310</b>	<b>290</b>	<b>270</b>	200							
-	LHS-54	1.00	50 x 50	550	<b>530</b>	<b>370</b>	<b>220</b>								
LHS-155	LHS-55	1.50	40 x 40								240	<b>190</b>	<b>170</b>	<b>110</b>	
LHS-156	LHS-56	1.50	50 x 40					260	<b>240</b>	<b>200</b>	<b>160</b>	80			
LHS-157	LHS-57	1.50	50 x 50			390	<b>340</b>	<b>270</b>							
LHS-158	LHS-58	2.00	40 x 40								250	<b>230</b>	<b>200</b>	<b>180</b>	
LHS-159	LHS-59	2.00	50 x 40								<b>350</b>	<b>320</b>	<b>280</b>	230	
LHS-160	LHS-60	2.00	50 x 50						<b>370</b>	<b>330</b>	<b>220</b>				
-	LHS-61	2.00	65 x 50			580	<b>420</b>	<b>360</b>	240						
-	LHS-64	2.00	80 x 80	<b>870</b>	<b>740</b>	<b>610</b>									

## LHD Series

Oil Filled Monoset, 50 Hz, Three Phase, 2880 RPM

Pump Type	H.P.	Size in mm	Head in Metres					
			20	24	26	28	32	36
Discharge in L.P.M.								
LHD - 2AH	3.00	65 x 50	<b>540</b>	<b>480</b>	<b>420</b>	340		
LHD - 5A	5.00	65 x 50	585	<b>570</b>	<b>560</b>	<b>550</b>	<b>460</b>	300
LHD - 5AH	5.00	65 x 50		670	<b>630</b>	<b>580</b>	<b>470</b>	<b>320</b>

**Note :**

- LHD Series Voltage Range - 180 to 350 volts.
- Please select pumps in the range of discharge shown in bold figure.

## LHL Series

50Hz, 415V (-15% & +6%) Three Phase, 2880 RPM

Model	H.P.	Size in mm	Head in Metres															
			6	8	12	16	20	24	26	28	32	36	40	42	44	48	52	56
			Discharge in L.P.M.															
LHL-1A	3.00	50 x 38				370	350	<b>310</b>	<b>280</b>	<b>260</b>	<b>210</b>	120						
LHL-1 *	3.00	50 x 50				490	<b>450</b>	<b>360</b>	300									
LHL-2 *	3.00	65 x 65		750	<b>700</b>	<b>510</b>	360											
LHL-2A *	3.00	65 x 50		530	500	<b>450</b>	<b>400</b>	<b>280</b>										
LHL-2AH	3.00	65 x 50				580	<b>540</b>	<b>480</b>	<b>440</b>	<b>200</b>								
LHL-3A	3.00	80 x 65	860	<b>840</b>	<b>780</b>	570												
LHL-3	3.00	80 x 80	1120	<b>980</b>	870													
LHL-4 *	5.00	50 x 50							330	300	<b>270</b>	<b>220</b>	<b>170</b>	130	80			
LHL-4A *	5.00	50 x 38								480	430	<b>340</b>	<b>250</b>	<b>200</b>	140			
LHL-5A *	5.00	65 x 50						<b>590</b>	<b>570</b>	<b>550</b>	<b>500</b>	280						
LHL-5B	5.00	65 x 50									<b>470</b>	<b>400</b>	<b>320</b>	280	230			
LHL-5AH *	5.00	65 x 50						670	<b>630</b>	<b>580</b>	<b>470</b>	<b>200</b>						
LHL-5 *	5.00	65 x 65			<b>1040</b>	<b>900</b>	<b>750</b>	540										
LHL-5H *	5.00	65 x 65					750	<b>670</b>	<b>540</b>	<b>450</b>	240							
LHL-6 *	5.00	80 x 80		890	<b>870</b>	850	760											
LHL-6A *	5.00	80 x 65			<b>1160</b>	<b>1010</b>	<b>800</b>	350										
LHL-16 *	5.00	100 x 100	1520	<b>1430</b>	<b>1240</b>	850												
LHL-8 *	7.50	65 x 50										<b>455</b>	<b>400</b>	<b>370</b>	<b>340</b>	260		
LHL-9A	7.50	65 x 50						<b>840</b>	<b>810</b>	<b>720</b>	<b>630</b>	510	420	310				
LHL-9B	7.50	65 x 50										520	<b>490</b>	<b>480</b>	<b>460</b>	<b>410</b>	340	240
LHL-9AH	7.50	65 x 50							890	830	<b>720</b>	<b>600</b>	520	460				
LHL-9 *	7.50	65 x 65							<b>730</b>	<b>720</b>	<b>700</b>	540						
LHL-10 *	7.50	80 x 80						1040	<b>970</b>	<b>820</b>								
LHL-11 *	7.50	100 x 100			1450	<b>1300</b>	<b>1075</b>	740										
LHL-17	7.50	100 x 100		2000	<b>1850</b>	<b>1600</b>	1120											
LHL-19	7.50	125 x 125	<b>3500</b>	<b>2900</b>														
LHL-13AH	10.0	65 x 50								1160	1130	1070	<b>960</b>	<b>880</b>	<b>810</b>	600		

**Note :**

- LHL : 3 & 5 HP also available with copper rotor.
- LHL : 0.5 to 2.0 HP with S.S. Motor body & 3.0 to 10.0 HP with C.I. Motor body.
- Please select pumps in the range of discharge shown in bold figure.

## HORIZONTAL (Single Phase)

**LHL Series - Stainless Steel Construction, 50Hz, 230V (±10%), Single Phase, 2880 RPM**

**LHE Series - Sheet Metal Construction, 50Hz, 230V (±10%), Single Phase, 2880 RPM**










Model	H.P.	Size in mm	Head in Metres													
			6	8	10	12	14	16	18	20	22	24	26	28	30	32
			Discharge in L.P.M.													
LHL-150B *	0.50	25 x 25	<b>210</b>	180	130	110	90									
LHL-150BH	0.50	25 x 25		172	170	160	140	<b>130</b>								
LHL-151 *	1.00	25 x 25					290	<b>240</b>	<b>230</b>	<b>180</b>	<b>120</b>					
LHL-151H	1.00	25 x 25								220	<b>190</b>	<b>180</b>	<b>128</b>	<b>80</b>	60	
LHL-152 *	1.00	40 x 40			290	<b>270</b>	<b>250</b>	<b>180</b>	120							
LHL-153 *	1.00	50 x 40		<b>310</b>	<b>290</b>	<b>270</b>	200									
LHL-154 *	1.00	50 x 50	550	<b>530</b>	<b>370</b>	<b>220</b>										
LHL-155 *	1.50	40 x 40								240	<b>190</b>	<b>170</b>	<b>110</b>			
LHL-156 *	1.50	50 x 40					260	<b>240</b>	<b>200</b>	<b>160</b>	80					
LHL-157 *	1.50	50 x 50			390	<b>340</b>	<b>270</b>									
LHL-158 *	2.00	40 x 40									250	<b>230</b>	200	180		
LHL-159 *	2.00	50 x 40								<b>350</b>	<b>320</b>	<b>280</b>	230			
LHL-160 *	2.00	50 x 50						<b>370</b>	<b>330</b>	<b>220</b>						
LHL-161 *	2.00	65 x 50			580	<b>420</b>	<b>360</b>	240								
LHL-164 *	2.00	80 x 80	<b>870</b>	<b>740</b>	<b>610</b>											
LHL-101A	3.00	50 x 38								350	325	310	<b>280</b>	<b>260</b>	<b>230</b>	<b>210</b>
LHL-101	3.00	50 x 50								450	410	<b>360</b>	300			
LHL-102AH	3.00	65 x 50				650	620	<b>600</b>	<b>540</b>	<b>510</b>	<b>450</b>	390	200			
LHL-103A	3.00	80 x 65		840	800	<b>780</b>	660	570								
LHL-103	3.00	80 x 80	1120	<b>980</b>	930	870										

**Note :**

- 1.0 HP to 2.0 HP monosets are available in two phase also.
- All pumps with \* are ISI marked.
- Please select pumps in the range of discharge shown in bold figure.

## • STAR RATING PUMPSETS •

**Cast Iron Body, 50 Hz, 415 V ( -15% & +6% ) Three Phase, 2880 RPM**

Model	H.P.	Size in mm	Star Rating	Head in Metres											
				14	16	18	20	22	24	28	32	34	38		
				Discharge in L.P.M.											
LHL-1	3.00	50 x 50			490	420	400	330	280						
LHL-2	3.00	65 x 65			510	460	360	300							
LHL-5A	5.00	65 x 50			940	860	760	630	570						
LHL-5	5.00	65 x 65			900	780	740	580	500						
LHL-6A	5.00	80 x 65			960	880	780	730							
LHL-6	5.00	80 x 80		850	840	800	750	680	500						
LHL-9	7.50	65 x 65							700	660	610	540	360		
LHL-9A	7.50	65 x 50						840	810	610					
LHL-10	7.50	80 x 80						1080	980	780					